

ABSTRACT

In a semiconductor laser driving device and method,  
a first current below an oscillation threshold current of a  
semiconductor laser is outputted to the laser invariably. A  
5 second current needed for light emission of the laser  
responsive to an input signal is outputted to the laser. A  
third current for controlling the laser such that a detected  
amount of emission light from the laser accords with a given  
value is outputted to the laser. A predetermined auxiliary  
10 current is outputted to the laser. An initialization  
operation is performed to detect luminescence characteristics  
of the laser, and a signal indicating a value of the second  
current derived from the detected luminescence characteristics  
is outputted. The third current is controlled so that an  
15 amount of light outputted by the laser receiving a sum of the  
first, second, third and auxiliary currents, accords with a  
predetermined amount.